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AT Guns

1. I know of the following antitank guns in the Soviet Army: the 57 mm model 1943 ZIS (Zavod Imenyi Stalina), the 76 mm model 1942-43 ZIS, the 85 mm model 1949 ZIS and the 100 mm ZIS. The ZIS gun is everywhere, it seems, and I hear that there are many ZIS plants. The new 85 mm gun, gradually replacing the 76 mm gun which is used mostly in training, was made in 1949. I cannot say for certain if it is a ZIS model. All guns from 57 mm to 100 mm are used as AT weapons. Another, older, 82 mm AT gun, whose make is unknown to me, was on tank turrets.

25X1X 2. [redacted] the 57 mm and the 76 mm antitank guns. Characteristics of the 57 mm antitank gun were, as I recall:

Range: 11,800 meters

Direct fire: 1,100 meters

Traverse: 54 degrees - 27 left and 27 right

Elevation: 30 degrees - plus 25 and minus five degrees

Effective fire: 100 - 8000 meters

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Loading: semi-automatic

Rate of fire: 25 unaimed, 15 direct shots per minute

Weight: 1,150 kg

Traction: Studebaker truck

Width in motion: 144 cm

Ground clearance: 34 cm

Characteristics of the 76 mm ZIS 1942-43 were as follows:

Range: 13,800 meters

Direct fire: 800 meters

Traverse: 54 degrees - 27 left and 27 right

Elevation: 37 degrees - plus 30 and minus seven degrees

Rate of fire: 20 unaimed, 10-12 direct shots per minute

Weight: 1,250 kg

Traction: Studebaker truck.

In other respects this gun is the same as the 57 mm. I have never heard of a 17.2 cm howitzer, and think that there is no such gun in the Soviet Army.

Small Arms

3. The only small arms I am familiar with are the Carbine 1938-30 (these numbers signify: Model 1930, reconstructed in 1938), the caliber, 7.62. Its effective range is 800 to 1,200 meters. It is a bolt gun and holds five cartridges. I have also heard of a new carbine issued in the Soviet Union in 1951 which holds 10 cartridges. With it the best rifleman can fire 54 shots per minute. The average shooting speed among the troops is 10 shots per minute. The PPSh (Pistolet Pulemet Shpagina) automatic 7.62 has an effective fire of 800 meters.

Rocket Launcher

4. I know of the rocket launcher "Katyusha". There was an entire RS regiment, the 90th Regiment, 2nd Brigade, 9th Tank Division, Second Army, stationed in Oranienburg. Other regiments in the brigade were the 94th, the 96th and the 590th.

Ammunition

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1. I recall the following AT ammunition used

(a) 57mm fragmentary shell (oskolochno-fugasnyy snaryad). It had some symbols engraved on it (I recall only the letters OF) (oskolochno-fugasnyy) numbers of the factory, and of the assembly plant; SV (svezhyy porokh - fresh powder). All shells had SV on them. Muzzle velocity: 720 meters per second.

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(b) Armor-piercing shell (bronebcynyy snaryad) 57mm. Symbols: BR (bronyeboynyy), Nos of factory and assembly plant, and SV. Muzzle velocity: 990 meters per second.

(c) Subcaliber projectile (podkalibernyy snaryad) 57mm. Symbols: PK, (podkalibernyy), Nos of factory and assembly plant, and SV. This is considered the most effective shell. It is for war use only. The projectile is composed of two parts and the internal part is tipped with tungsten. Muzzle velocity: 1,270 meters per second. The projectile weighs about six kilograms. The casing is about 50 centimeters long, and the shell 20 centimeters. Battery's unit of fire: 240 shells- 230 ordinary shells, and 10 subcaliber projectiles.

6. Small arms ammunition with which I am familiar are:

(a) 7.62mm carbine-1938. There are two kinds of cartridges issued: red-tipped and yellow-tipped. The red are bursting, and the yellow are igniting bullets.

(b) 7.62mm PPSh (Pistolet Pulemet Shpagina) SMG, invented by Shpagin. Date of cartridge manufacture ranges from 1940-1943.

(c) 7.62mm TT pistol. Eight cartridges in the magazine.

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